

a light pipe including light output means for outputting light, said light output means formed on an upper surface of said light pipe;

a light source disposed near an incident side surface of said light pipe, light travelling along said light pipe being reflected toward a lower surface of said light pipe;

a reflection layer disposed on said lower surface of said light pipe so that said reflected light is again reflected, toward the upper surface of said light pipe, to be transmitted through said upper surface of said light pipe; and a liquid-crystal shutter disposed above said upper surface of said light pipe, said liquid-crystal shutter including liquid-crystal cells and at least one polarizing plate.

12. (Amended) A light pipe comprising:

an incident side surface;

an upper surface;

a lower surface with which a reflection layer is directly integrated; and

light output means formed on said upper surface so that incident light from said incident side surface is reflected toward said lower surface, and rereflected by the reflection layer to be transmitted through said upper surface,

wherein said light output means comprises:

slopes facing said incident side surface and inclined at an angle of from 35 to 45 degrees with respect to a reference plane of said lower surface; and

flat surfaces inclined at a crossing angle of not larger than 10 degrees with respect to said reference plane and provided so that a projected area of said flat surfaces on said reference plane is not smaller than 8 times as large as a projected area of said slopes on said reference plane.